

**LOW LOSS ULTRAFLEXIBLE COAXIAL CABLE**



**SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS**

Type de câble / Cable type	Low loss ultraflexible
Températures d'utilisation / Temperature range	-40 °C ~ +80 °C
Rayon de courbure minimum / Minimum bend radius	12.7 mm (stat) / 50.8 mm (dyn)
Poids / Weight	30 kg/km

**SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS**

Frequence d'utilisation / Frequency range	DC ~ 6 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	83.3 pF/m
Vitesse de propagation / Velocity of propagation	76 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.17 ns/m
Tension d'utilisation / Voltage Withstand	1000 Vdc / 3000 Vrms

**CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS**

Conducteur central / Inner conductor	Stranded BC Ø 0.97 mm
Diélectrique / Dielectric	Foam PE Ø 2.79 mm
Conducteur extérieur / Outer conductor	Al tape Ø 2.95 mm
Tresse de blindage / Shield braid	TPC Ø 3.53 mm
Gaine et Couleur / Jacket and Color	Black TPE Ø 4.95 mm

**ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING**

Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Typical attenuation (dB/m)	0,077	0,099	0,173	0,211	0,304	0,434	0,567	0,624	0,659	0,742	1,167
Typical attenuation (dB/m) = ((0.424232 x √(FMHz)) + (0.000563 x FMHz))/30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	780	610	350	280	200	140	100	95	90	80	50
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

**ATTENUATION (dB/m) / TYPICAL ATTENUATION (dB/m) vs FREQUENCY (MHz)**

